

## **Effect of toxic concentrations of 2,4,6-trinitrotoluene on the physical properties and morphology of bacillus subtilis SK1 | Vliianie toksicheskikh kontsentratsii 2,4,6-trinitrotoluola na fizicheskie svoistva i morfologiiu kletok Bacillus subtilis SK1.**

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### **Abstract**

It has been demonstrated for the first time that the toxic effect of 2,4,6-trinitrotoluene on the gram-positive strain *Bacillus subtilis* SK1 is accompanied by a decrease in the cell size and an increase in the refraction index (i.e., density) and thermostability of the culture. These data suggest that determination of kinetic parameters of bacteria growing under the conditions of toxic stress from optical density measurements may result in erroneous conclusions.

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